



DATA SHEET DIGITAL PRINTING VINYL PERMANENT ADHESIVE HX100WGI

Cast cadmium-free 50 micron polymeric PVC film, coated with a grey pressure sensitive acrylic adhesive. Structured adhesive for convenient application and elimination of air bubbles. Suitable for solvent inkjet printers. Gloss surface finish.

SPECIFICATIONS:

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	50	
• Total caliper (µm):	230	
• Total specific weight (g/m ²):	255	HEXGSM001
• Tensile strength (N/25mm):	min. 20	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Dimensional stability (mm): after 168h at 70°C	< 0.2	HEXRET001

PRINTER AND INK COMPATIBILITY:

- Solvent inkjet printers.

LINER:

- Embossed silicone PE paper 145 g/m² grey HEXIS print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

• Peel on glass at 180° (N/25mm): 20 minutes after application	12	HEXFTM001
24 hours after application	13	
• Initial tack (N/25mm):	14	HEXFTM009
• Release (N/25mm):	0.20	HEXFTM003
• The adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

RECOMMENDATIONS:

- Touch dry after less than 10 minutes depending on printer used.
- The surface aspect can be advantageously improved by applying the appropriate laminate (PC30G2).
- Optimum drying time before laminating or varnishing is 24 hours.
- Minimum application temperature +10°C (+50°F).
- Optimum environment -40°C to +90°C (-40°F to +194°F).
- Grey solvent based acrylic adhesive.
- Structured adhesive for convenient application and elimination of air bubbles.
- Immediate and permanent adhesion; maximum adhesion after 24 hours.
- Dry application.
- Highly conformable, recommended for vehicles.
- Adhesion on glass, steel, aluminium, PVC, melamine, ... except grained surfaces or acrylic paints.
- For further information on application methods of HX100WGI, refer to the technical bulletin on the professionals pages of the web site www.hexisgroup.com

SHELF LIFE:

- 1 year at +15°C...+25°C (+59°F...+77°F) and 30 to 70% relative humidity, rolls standing upright in a dustfree environment before usage and in the original packing.

DURABILITY:

- Unprinted vertical outdoor exposure: 10 years.
- Printed and laminated vertical outdoor exposure: 4 years.
- Printed vertical outdoor exposure: 2 years.

Note:

If in doubt about the compatibility of the product with any particular application we recommend that the user carry out a trial before the final application or seek advice from the manufacturer. The methods of measuring for the standards quoted above are the basis for the development of our own measuring methods which are available on request (partial application). You are invited to enquire for the latest instructions in force. All data are believed to be correct but do not constitute a warranty, representation or promise, express or implied as to the condition, quality, merchantability, fitness for a product, or that such product will satisfy any requirement for a specific property or capacity or special methods, all such warranties being hereby expressly disclaimed. The buyer has to determine the suitability of the materials for the intended purpose prior to purchase. HEXIS S.A. or its affiliates assume no liability for claims beyond the replacement value of any product proven to be defective in material or workmanship and is in no way liable for direct, indirect, special, incidental damages or consequential loss including without limitation lost profits or loss of use, whether based on contract, tort or any other legal theory. Product specifications may change without prior notice. Our website is automatically updated: www.hexisgroup.com.